



# Dulbecco's Modified Eagle's Medium (DMEM) Formulation

Catalog No. 30-2002



## Inorganic Salts (g/liter)

CaCl <sub>2</sub> (anhydrous)	0.20000
Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O	0.00010
MgSO <sub>4</sub> (anhydrous)	0.09770
KCl	0.40000
NaHCO <sub>3</sub>	1.50000
NaCl	6.40000
NaH <sub>2</sub> PO <sub>4</sub> ·H <sub>2</sub> O	0.12500

## Amino Acids (g/liter)

L-Arginine·HCl	0.08400
L-Cystine·2HCl	0.06260
L-Glutamine	0.58400
Glycine	0.03000
L-Histidine·HCl·H <sub>2</sub> O	0.04200
L-Isoleucine	0.10500
L-Leucine	0.10500
L-Lysine·HCl	0.14600
L-Methionine	0.03000
L-Phenylalanine	0.06600
L-Serine	0.04200
L-Threonine	0.09500
L-Tryptophan	0.01600
L-Tyrosine·2Na·2H <sub>2</sub> O	0.10379
L-Valine	0.09400

## Vitamins (g/liter)

Choline Chloride	0.00400
Folic Acid	0.00400
myo-Inositol	0.00720
Nicotinamide	0.00400
D-Pantothenic Acid (hemicalcium)	0.00400
Pyridoxine·HCl	0.00400
Riboflavin	0.00040
Thiamine·HCl	0.00400

## Other (g/liter)

D-Glucose	4.50000
Phenol Red, Sodium Salt	0.01500
Sodium Pyruvate	0.11000

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